

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A system for transferring real time video information from a source device to one of a plurality of output devices, the system comprising:

at least one image capturing device to acquire video information, the image capturing device including a processor, a graphics module coupled to the processor, a browsing device coupled to the processor, a packetizing portion coupled to the processor, the packetizing portion being adapted to convert the video information into a single packetized stream of video information, the single packetized stream of video information being in a first format, and an output device coupled to the processor to transfer the single packetized stream of video information to a network;

a network gateway coupled to the image capturing device through the network, the network gateway being coupled to a worldwide network of computers, the network gateway including a gateway transcoding device to transcode the single packetized stream of video information from the first format into multiple compressed output streams of video information having different second compression formats, the network gateway also including a packetizing portion to transfer the compressed output streams of video information in the second compression formats to the network; and

at least one display device coupled to the network gateway through the world wide network of computers to convert one of the compressed output streams of video information that it receives into video information for display, the display device having a display for displaying the video information on the display device;

wherein the first format is selected from compressed and uncompressed audiovideo formats; and

wherein the network gateway can provide the multiple compressed output streams of video information, having the different second compression formats and which were transcoded from the single packetized stream of video information having the first format, with unique sets of audiovisual characteristics, from which at least one compressed output stream can be selected to be displayed on the display.

2. (Previously Presented) The system of claim 1 wherein the gateway transcoding device decodes the single packetized stream of video information having the first format, and then re-encodes the decoded single stream of video information into the multiple compressed output streams having the second formats.

3. (Original) The system of claim 1 wherein the display device is coupled to a wireless network, the wireless network being coupled to the world wide network of computers.

4. (Original) The system of claim 1 wherein the display device is selected from one of a plurality of devices including a portable computer, a laptop computer, a personal digital assistant, a web appliance, a personal computer, and a work station.

5. (Currently Amended) The system of claim 1 wherein the first format, if compressed, is different in compression type from the second compression formats.

6. (Canceled)

7. (Currently Amended) The system of claim 1 wherein the second compression formats ~~is~~are selected from the group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.1.

8. (Original) The system of claim 1 wherein the image capturing device is a video camera.

9. (Original) The system of claim 1 wherein the network gateway comprises a look up table.

10. (Original) The system of claim 1 wherein the image capturing device is coupled to a personal computer that is coupled via a wireless medium to the network.

11. (Previously Presented) A system for broadcasting to at least one mobile display device, the system comprising:

a processor; and

a broadcasting server coupled to the processor and coupled to a wide area network of computers, the broadcasting server including:

an image retrieval portion configured to retrieve at least one incoming video signal in a first format;

a look up table to determine parameters for second compression formats for the at least one incoming video signal; and

a transcoding module coupled to the image retrieval portion and to the look up table, the transcoding module configured to transcode the at least one incoming video signal from the first format into a plurality of second compression formats corresponding to a plurality of compressed output video signals in response to the parameters;

wherein at least one of the second compression formats is more appropriate for the at least one mobile display device than the first format; and

wherein either or both a video and audio characteristic associated with the at least one incoming video signal can be changed during transmission to provide a different optimized compressed output video signal to the at least one mobile display device in response to a change in any combination of a bandwidth condition, a display device characteristic, and a user preference.

12. (Previously Presented) The system of claim 11 wherein the image retrieval portion is configured to receive the at least one incoming video signal from a video camera.

13. (Previously Presented) The system of claim 11 wherein the image retrieval portion is configured to receive the at least one incoming video signal from a data file.

14. (Currently Amended) The system of claim 11 wherein transcoding module decodes the at least one incoming video signal having the first format, and then encodes resulting signals to provide the output video signals having the second ~~compressed~~compression formats.

15. (Canceled)

16. (Currently Amended) The system of claim 11 wherein the second ~~compressed~~compression formats are is-selected from a group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.1.

17. (Previously Presented) The system of claim 11 wherein the parameters from the look up table includes pixel bit-depth data.

18. (Previously Presented) The system of claim 11 wherein the parameters from the look up table includes frame rate data.

19.-26. (Canceled)

27. (Previously Presented) A system for transferring real time video information from a source device to one of a plurality of output devices, the system comprising:

an image capturing device to acquire video information, the image capturing device including a processor, a graphics module coupled to the processor, a browsing device coupled to the processor, a packetizing portion coupled to the processor, the packetizing portion being adapted to convert the video information into a single packetized stream of video information, the single packetized stream of video information being in a first format, and an output device coupled to the processor to transfer the video information to a network;

a network gateway coupled to the image capturing device through the network, the network gateway being coupled to a worldwide network of computers, the network gateway including at least one gateway transcoding device to transcode the single packetized stream of video information from the first format to a plurality of compressed output streams of video information having respective second compression formats, the network gateway also including a packetizing portion to transfer the compressed output streams of video information in the second compression formats to the network; and

a display device coupled to the network gateway through the world wide network of computers to convert at least one of the compressed output streams of video information into video information for display, the display device having a display to display the video information on the display device; and

wherein the network gateway can provide a listing of the plurality of compressed output streams of video information having respective second compression formats, each compressed output stream having unique characteristics, and wherein one or more compressed output streams can be selected to be displayed on the display of the display device, the network gateway further being able to adapt any one of the compressed output streams to change at least one of a video and audio characteristic associated with that selected compressed output stream during its transmission.

28. (Previously Presented) The system of claim 27 wherein the single packetized stream of information in the first format is compressed.

29. (Previously Presented) The system of claim 27 wherein the display device is coupled to a wireless network, the wireless network being coupled to the world wide network of computers.

30. (Previously Presented) The system of claim 27 wherein the display device is selected from one of a plurality of devices including a portable computer, a laptop computer, a personal digital assistant, a web appliance, a personal computer, and a work station.

31. (Currently Amended) The system of claim 27 wherein the first format is different in compression type from the second compression formats.

32. (Previously Presented) The system of claim 27 wherein the first format is selected from a group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.

33. (Previously Presented) The system of claim 27 wherein the image capturing device is a video camera.

34. (Previously Presented) The system of claim 27 wherein the network gateway comprises a look up table.

35. (Previously Presented) The system of claim 27 wherein the image capturing device is coupled to a personal computer that is coupled via a wireless medium to the network.

36. (Previously Presented) A system for broadcasting to at least one mobile display device, the system comprising:
a processor; and

a broadcasting server coupled to the processor and coupled to a wide area network of computers, the broadcasting server including:

an image retrieval portion configured to retrieve at least one incoming video signal in a first format;

a look up table to determine parameters for a plurality of second compression formats, more suitable for at least one mobile display device, for the at least one incoming video signal; and

at least one transcoding module coupled to the image retrieval portion and to the look up table, the transcoding module configured to transcode the at least one incoming video signal from the first format into a plurality of compressed output video signals having the second compression formats in response to the parameters;

wherein at least one of the second compression formats is more appropriate for the at least one mobile display device than the first format; and

wherein multiple compressed output video signals having the at least one second compression formats more suitable for the at least one mobile display device can be provided by the broadcasting server, wherein an optimum one of the multiple compressed output video signals can be selected to be presented at the mobile display device.

37. (Previously Presented) The system of claim 36 wherein the image retrieval portion is configured to receive the at least one incoming video signal from a video camera.

38. (Previously Presented) The system of claim 36 wherein the image retrieval portion is configured to receive the at least one incoming video signal from a data file.

39. (Currently Amended) The system of claim 36 wherein transcoding module decodes the at least one incoming video signal, and then re-encodes resulting signals into the compressed output video signals having the second ~~compressed~~ compression formats.

40. (Previously Presented) The system of claim 36 wherein the first format is selected from a group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.1.

41. (Previously Presented) The system of claim 36 wherein the parameters from the look up table includes pixel bit-depth data.

42. (Previously Presented) The system of claim 36 wherein the parameters from the look up table includes frame rate data.

43. (Previously Presented) The system of claim 1 wherein the display device can select the compressed output stream to display on its display.

44. (Previously Presented) The system of claim 1 wherein a component of the network gateway can select the compressed output stream to be displayed by the display device.

45. (Previously Presented) The system of claim 27 wherein the display device can select the compressed output stream to be displayed.

46. (Previously Presented) The system of claim 27 wherein a component of the network gateway can select the compressed output stream to be displayed by the display device.

47. (Previously Presented) The system of claim 36 wherein the display device can select the compressed output video signal to be presented.

48. (Previously Presented) The system of claim 36 wherein a component of the broadcasting server can select the compressed output video signal to be presented.

49. (Currently Amended) A system to broadcast to at least one client device, the system comprising:

a processor; and

a broadcasting server coupled to the processor, the broadcasting server including:

an image retrieval portion to retrieve at least one incoming video signal having a first format;

a data structure usable to determine parameters for second compression formats for the at least one incoming video signal; and

at least one transcoding module coupled to the image retrieval portion and which has access to the data structure, the transcoding module being capable to transcode the at least one incoming video signal from the first format into multiple compressed output video signals having respective second compression formats based at least in part on the parameters;

wherein at least one of the second compression formats is more suitable for the at least one client device than the first format; and

wherein the multiple compressed output video signals having the at least one second compression format more suitable for the at least one client device can be provided by the broadcasting server, wherein any one of the multiple compressed output video signals can be selected to be presented at the at least one client device.

50. (Previously Presented) The system of claim 49 wherein the at least one client device can select which of the compressed output video signals to present and may access the selected compressed video signals from multiple devices, including access of compressed output video signals having different second compression formats from different devices.

51. (Previously Presented) The system of claim 49 wherein a component of the broadcasting server can select which of the compressed output video signals is to be presented by the at least one client device.

52. (Previously Presented) The system of claim 49 wherein a different compressed output video signal can be dynamically selected to be presented at the at least one client device, instead of a current compressed output video signal, in response to a change in a bandwidth condition.

53. (Previously Presented) The system of claim 52 wherein the different compressed output video signal has at least one of a different frame dimension and a different associated audio characteristic.

54. (Previously Presented) A system for broadcasting to at least one client device, the system comprising:

- a means for processing incoming video signals; and

- a broadcasting server coupled to the processor, the broadcasting server including:

- an image retrieval means for retrieving at least one incoming video signal having a first format;

- a data structure means usable for determining parameters for second compression formats for the at least one incoming video signal; and

- a transcoding module for transcoding the at least one incoming video signal from the first format into a plurality of compressed output video signals having the second compression formats based at least in part on the parameters;

- wherein at least one of the second compression formats is more suitable for the at least one client device than the first format; and

- wherein multiple compressed output video signals having the second compression formats more suitable for the at least one client device can be provided by the broadcasting server, wherein any one of the multiple compressed output video signals can be selected to be presented at the at least one client device.

55. (Previously Presented) The system of claim 54, further comprising a means for allowing the at least one client device to select one of the multiple compressed output video signals to be presented.

56. (Previously Presented) The system of claim 54 wherein the broadcasting server includes a means for selecting one of the multiple compressed output video signals to present at the at least one client device.

57. (Previously Presented) The system of claim 54 wherein the broadcasting server includes a means for dynamically selecting a different compressed output video signal to be presented at the at least one client device, instead of a current compressed output video signal, in response to a change in bandwidth conditions.

58. (Previously Presented) The system of claim 54 wherein the means for dynamically selecting the different compressed output video signal includes a means for dynamically selecting a compressed output video signal having at least one of a different frame dimension and different associated audio.